

AICRP on Agrometeorology
University of Agricultural Sciences, GKVK, Bengaluru-560 065
Meteorological Observation at GKVK, Bengaluru
PART- I

District : Bengaluru
State : Karnataka

Lat : 13° 05' N
Long : 77° 34' E
Long : 77° 34' E
Alt : 924 m (amsl)

Month : December
Year : 2022

Date	Air Temperature °C						PET (mm)	Soil Temperature °C					
	Max.	Min.	Dry	Dry	Wet	Wet		5 cm	5 cm	10 cm	10 cm	15 cm	15 cm
	0700	1400	0700	1400	0700	1400	0830	0700	1400	0700	1400	0700	1400
	LMT	LMT	LMT	LMT	LMT	LMT	IST	LMT	LMT	LMT	LMT	LMT	LMT
1	25.6	15.6	19.6	23.8	18.4	20.4	3.4	21.6	27.8	26.4	21.8	26.0	22.8
2	24.6	18.0	20.4	26.0	19.6	20.6	2.8	21.6	28.0	21.8	26.6	22.8	26.2
3	27.2	19.0	20.0	27.0	19.0	20.8	3.2	21.4	27.2	22.0	27.6	22.4	27.8
4	27.2	18.6	19.4	26.8	18.8	20.4	3.3	21.6	27.8	21.8	27.0	22.8	26.8
5	27.2	18.4	20.0	27.0	19.2	20.6	3.3	21.8	28.0	22.4	27.6	23.0	26.8
6	27.6	18.2	20.2	26.0	19.6	20.4	3.4	21.6	28.8	22.6	27.8	22.8	27.0
7	26.4	16.8	19.8	26.0	17.8	17.2	3.4	21.4	27.4	22.8	26.4	23.2	26.0
8	26.6	15.6	18.8	25.0	16.0	18.0	3.5	21.6	27.4	22.4	26.2	23.0	25.8
9	25.4	17.0	18.8	21.8	17.4	18.4	3.1	21.6	23.8	22.0	23.8	22.6	26.6
10	21.8	16.2	18.4	18.8	17.8	18.4	2.4	20.0	23.0	20.8	23.0	21.4	21.8
11	18.9	17.6	18.6	23.6	18.4	19.8	1.1	20.2	21.4	20.4	22.0	20.4	22.4
12	24.6	17.6	19.8	24.0	19.6	20.0	2.8	0.6	22.8	20.8	22.0	21.0	21.4
13	24.6	19.0	20.0	23.4	19.8	20.0	2.6	20.4	22.6	21.8	22.4	22.0	22.0
14	24.0	18.4	20.0	25.0	19.2	20.0	2.5	21.8	23.8	22.0	22.8	22.4	22.4
15	25.2	17.0	19.0	26.0	17.6	19.8	3.0	21.6	25.6	21.8	23.8	22.4	23.0
16	26.6	13.6	19.0	26.8	16.8	20.0	3.7	21.4	27.8	22.4	26.0	23.0	26.0
17	27.6	14.2	20.0	25.2	17.8	20.0	3.9	21.8	27.4	22.6	26.2	22.8	26.2
18	25.6	16.2	18.4	25.0	17.6	19.8	3.2	21.0	27.4	22.4	26.2	22.6	26.0
19	25.6	16.4	17.8	25.0	16.8	20.0	3.2	21.6	28.4	22.0	27.4	23.0	27.0
20	25.0	14.8	18.8	25.8	17.6	20.2	3.3	19.8	27.0	21.0	26.0	21.8	26.0
21	26.8	15.4	20.6	25.2	19.0	20.0	3.6	20.0	27.4	20.8	26.8	21.8	26.0
22	26.6	10.8	18.8	26.4	16.0	19.8	4.0	19.4	28.0	20.0	27.0	21.0	26.4
23	26.6	13.4	18.6	26.8	17.0	19.6	3.7	19.2	27.0	19.8	26.2	20.8	25.8
24	26.8	11.8	18.0	27.0	15.6	20.0	3.9	19.4	27.0	20.6	26.2	21.0	25.8
25	27.2	17.0	18.8	26.4	17.6	20.2	3.5	19.8	26.4	20.0	26.0	21.4	25.6
26	26.8	18.4	20.6	24.4	20.0	20.4	3.2	21.4	25.8	22.0	25.0	23.0	24.6
27	25.0	19.6	20.2	24.0	19.6	19.8	2.6	21.0	26.0	21.6	26.0	22.0	25.6
28	24.0	19.0	20.4	26.6	19.6	20.2	2.4	21.4	27.4	21.6	26.2	22.4	26.0
29	27.4	15.6	20.8	27.0	19.6	20.4	3.7	21.6	27.6	22.0	26.6	22.6	26.4
30	27.4	14.0	20.2	26.8	18.8	20.6	3.9	21.4	27.8	22.2	27.0	22.4	26.6
31	27.0	14.8	21.8	26.4	20.0	20.2	3.7	21.6	27.6	21.8	26.8	22.0	26.4
Mean	25.8	16.4	19.5	25.3	18.3	19.9	3.2	20.3	26.5	21.8	25.6	22.3	25.3
Weekly mean													
Std. Week No: 49 (December 3 - December 9) No. of Days: 7													
Mean	26.8	17.7	19.6	25.7	18.3	19.4	3.3	21.6	27.2	22.3	26.6	22.8	26.7
Std. Week No: 50 (December 10 - December 16) No. of Days: 7													
Mean	23.7	17.1	19.3	23.9	18.5	19.7	2.6	18.0	23.9	21.4	23.1	21.8	22.7
Std. Week No: 51 (December 17 - December 23) No. of Days: 7													
Mean	26.3	14.5	19.0	25.6	17.4	19.9	3.6	20.4	27.5	21.2	26.5	22.0	26.2
Std. Week No: 52 (December 24 - December 31) No. of Days: 8													
Mean	26.5	16.3	20.1	26.1	18.9	20.2	3.4	21.0	27.0	21.5	26.2	22.1	25.9

PART- II

Time of Observation
I--> 0700 Hours LMT = 0720 IST
II--> 1400 Hours LMT = 1420 IST

Month : December
Year : 2022

Date	Humidity				Mean Wind			Bright SSH	Cloud Amount (Octas)		Rainfall	Pan Evap.
	Vap. Pr. (mm) Hg.	Rel. Hum. %		Speed (Km/day)	Direction		(mm)		(mm)			
	0700	1400	0700	1400	0700	0700				1400		
	LMT	LMT	LMT	LMT	LMT	LMT	LMT		0830	0830		
1	15.2	16.1	89	73	3.6	90	90	9.0	6	6	0.0	3.8
2	16.7	15.2	93	60	3.6	90	45	2.9	4	3	0.0	3.8
3	15.9	15.0	91	56	5.4	45	45	7.5	6	3	0.0	3.6
4	15.9	14.4	94	55	6.2	45	45	8.8	6	3	0.0	3.4
5	16.2	14.7	93	55	6.7	90	90	5.9	3	3	0.0	3.8
6	16.8	14.9	94	59	4.5	90	45	7.2	6	3	0.0	3.8
7	14.2	9.9	82	39	4.4	45	45	5.3	0	3	0.0	3.6
8	12.1	11.6	74	49	5.5	45	45	5.9	0	3	0.0	4.0
9	14.1	14.0	87	71	7.1	45	45	5.5	8	6	0.0	3.6
10	15.0	15.7	94	96	8.1	45	45	0.0	8	8	5.4	1.6
11	15.8	15.2	98	70	7.0	45	45	0.0	8	8	59.4	2.0
12	17.0	15.3	98	68	4.4	45	140	0.0	8	6	8.4	2.2
13	17.2	15.7	98	73	4.6	140	140	2.2	8	6	7.0	2.8
14	16.2	14.8	93	62	7.7	230	140	2.2	6	3	11.4	2.4
15	14.3	13.9	87	55	4.5	140	45	5.9	6	2	0.0	3.2
16	13.1	13.8	80	52	3.5	45	45	10.3	0	2	0.0	4.2
17	14.1	14.7	80	61	3.6	45	45	9.6	0	3	0.0	4.0
18	14.7	14.4	92	61	4.2	45	45	8.0	6	3	0.0	4.2
19	13.8	14.8	90	62	8.1	45	45	2.6	4	2	0.0	3.8
20	14.4	14.7	89	59	3.8	90	45	7.9	0	2	0.0	4.2
21	15.6	14.7	86	61	4.7	45	45	8.8	0	2	0.0	4.0
22	12.1	13.7	74	53	3.6	90	45	9.9	0	2	0.0	4.4
23	13.7	13.1	85	50	4.5	45	45	9.3	0	2	0.0	4.2
24	12.0	13.7	77	51	4.4	90	45	9.7	0	3	0.0	4.2
25	14.4	14.3	89	55	6.0	45	45	8.5	6	3	0.0	3.8
26	17.2	15.8	95	69	8.0	90	90	0.7	6	3	2.6	2.8
27	16.8	15.0	94	67	7.8	90	90	2.9	6	3	0.4	3.0
28	16.7	14.2	93	54	5.8	45	45	0.7	3	3	0.0	3.2
29	16.4	14.3	89	54	3.9	230	90	8.6	2	2	0.0	4.0
30	15.5	14.8	87	56	3.4	90	90	9.9	0	0	0.0	4.2
31	16.5	13.3	98	55	3.1	140	90	9.8	0	2	0.0	4.2
Mean	15.2	14.4	89	60	5.2	..	..	6.0	4	3	94.6	3.5
Weekly mean												
Std. Week No: 49 (December 3 - December 9) No. of Days: 7												
Mean	15.0	13.5	88	55	5.7	...	...	6.6	...	...	0.0	3.7
Std. Week No: 50 (December 10 - December 16) No. of Days: 7												
Mean	15.5	14.9	93	68	5.7	...	...	2.9	...	...	91.6	2.6
Std. Week No: 51 (December 17 - December 23) No. of Days: 7												
Mean	14.0	14.3	85	58	4.6	...	...	8.0	...	...	0.0	4.1
Std. Week No: 52 (December 24 - December 31) No. of Days: 8												
Mean	15.7	14.4	89	57	5.3	...	...	6.4	...	...	3.0	3.7

Note: Rainfall is in total